

## CLAIMS

1. A composition for delivery of acetaminophen consisting of a condensation aerosol
  - a) formed by volatilizing a thin layer of acetaminophen on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of acetaminophen and condensing the heated vapor of acetaminophen to form condensation aerosol particles,
  - b) wherein said condensation aerosol particles are characterized by less than 5% acetaminophen degradation products, and
  - c) the condensation aerosol has an MMAD of less than 3 microns.
2. The composition according to Claim 1, wherein the aerosol particles are formed at a rate of at least  $10^9$  particles per second.
3. The composition according to Claim 2, wherein the aerosol particles are formed at a rate of at least  $10^{10}$  particles per second.
4. A composition for delivery of orphenadrine consisting of a condensation aerosol
  - a) formed by volatilizing a thin layer of orphenadrine on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of orphenadrine and condensing the heated vapor of orphenadrine to form condensation aerosol particles,
  - b) wherein said condensation aerosol particles are characterized by less than 5% orphenadrine degradation products, and
  - c) the condensation aerosol has an MMAD of less than 3 microns.
5. The composition according to Claim 4, wherein the aerosol particles are formed at a rate of at least  $10^9$  particles per second.

6. The composition according to Claim 5, wherein the aerosol particles are formed at a rate of at least  $10^{10}$  particles per second.

7. A composition for delivery of tramadol consisting of a condensation aerosol  
a) formed by volatilizing a thin layer of tramadol on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of tramadol and condensing the heated vapor of tramadol to form condensation aerosol particles,

b) wherein said condensation aerosol particles are characterized by less than 5% tramadol degradation products, and

c) the condensation aerosol has an MMAD of less than 3 microns.

8. The composition according to Claim 7, wherein the aerosol particles are formed at a rate of at least  $10^9$  particles per second.

9. The composition according to Claim 8, wherein the aerosol particles are formed at a rate of at least  $10^{10}$  particles per second.

10. A method of producing acetaminophen in an aerosol form comprising:  
a. heating a thin layer of acetaminophen on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the acetaminophen to form a heated vapor of the acetaminophen, and

b. during said heating, passing air through the heated vapor to produce aerosol particles of the acetaminophen comprising less than 5% acetaminophen degradation products, and an aerosol having an MMAD of less than 3 microns.

11. The method according to Claim 10, wherein the aerosol particles are formed at a rate of greater than  $10^9$  particles per second.

12. The method according to Claim 11, wherein the aerosol particles are formed at a rate of greater than  $10^{10}$  particles per second

13. A method of producing orphenadrine in an aerosol form comprising:
  - a. heating a thin layer of orphenadrine on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the orphenadrine to form a heated vapor of the orphenadrine, and
  - b. during said heating, passing air through the heated vapor to produce aerosol particles of the orphenadrine comprising less than 5% orphenadrine degradation products, and an aerosol having an MMAD of less than 3 microns.
14. The method according to Claim 13, wherein the aerosol particles are formed at a rate of greater than  $10^9$  particles per second.
15. The method according to Claim 14, wherein the aerosol particles are formed at a rate of greater than  $10^{10}$  particles per second.
16. A method of producing tramadol in an aerosol form comprising:
  - a. heating a thin layer of tramadol on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the tramadol to form a heated vapor of the tramadol, and
  - b. during said heating, passing air through the heated vapor to produce aerosol particles of the tramadol comprising less than 5% tramadol degradation products, and an aerosol having an MMAD of less than 3 microns.
17. The method according to Claim 16, wherein the aerosol particles are formed at a rate of greater than  $10^9$  particles per second.
18. The method according to Claim 17, wherein the aerosol particles are formed at a rate of greater than  $10^{10}$  particles per second.